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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 43	Feb 13	CANCERLIT is no longer being updated
NEWS 44	Feb 24	METADEX enhancements
NEWS 45	Feb 24	PCTGEN now available on STN

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NEWS 46   Feb 24   TEMA now available on STN
NEWS 47   Feb 26   NTIS now allows simultaneous left and right truncation
NEWS 48   Feb 26   PCTFULL now contains images
NEWS 49   Mar 04   SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS  January 6 CURRENT WINDOWS VERSION IS V6.01a,
              CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
              AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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FILE 'HOME' ENTERED AT 15:41:35 ON 19 MAR 2003

=> file biosis
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'BIOSIS' ENTERED AT 15:41:46 ON 19 MAR 2003
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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 12 March 2003 (20030312/ED)


=> s pluck
            61 PLUCK
            23 PLUCKS
L1          79 PLUCK
               (PLUCK OR PLUCKS)

=> s plucked
L2         352 PLUCKED

=> s plucking
           364 PLUCKING
             9 PLUCKINGS
L3         370 PLUCKING
               (PLUCKING OR PLUCKINGS)

=> s l1 or l2 or l3
L4         732 L1 OR L2 OR L3

=> s cell(W)(surface or membrane)(W)(receptor or antigen)
```

```
        2228815 CELL
        1659047 CELLS
        2861138 CELL
                  (CELL OR CELLS)
         404510 SURFACE
          52326 SURFACES
         434202 SURFACE
                  (SURFACE OR SURFACES)
         516322 MEMBRANE
         448708 MEMBRANES
         803116 MEMBRANE
                  (MEMBRANE OR MEMBRANES)
         569131 RECEPTOR
         289245 RECEPTORS
         690356 RECEPTOR
                  (RECEPTOR OR RECEPTORS)
         285206 ANTIGEN
         125993 ANTIGENS
         357146 ANTIGEN
                  (ANTIGEN OR ANTIGENS)
L5        14145 CELL(W)(SURFACE OR MEMBRANE)(W)(RECEPTOR OR ANTIGEN)

=> s CELL(W)(SURFACE OR MEMBRANE)
        2228815 CELL
        1659047 CELLS
        2861138 CELL
                  (CELL OR CELLS)
         404510 SURFACE
          52326 SURFACES
         434202 SURFACE
                  (SURFACE OR SURFACES)
         516322 MEMBRANE
         448708 MEMBRANES
         803116 MEMBRANE
                  (MEMBRANE OR MEMBRANES)
L6       123550 CELL(W)(SURFACE OR MEMBRANE)

=> s l5 or l6
L7       123550 L5 OR L6

=> s l4 and l7
L8            6 L4 AND L7

=> save temp
ENTER L#, L# RANGE, ALL, OR (END):14
ENTER NAME OR (END):pluck/a
ANSWER SET L4 HAS BEEN SAVED AS 'PLUCK/A'

=> save temp
ENTER L#, L# RANGE, ALL, OR (END):17
ENTER NAME OR (END):pluclkcell/a
ANSWER SET L7 HAS BEEN SAVED AS 'PLUCLKCELL/A'

=>

=> e jakobovits a/au
E1            1     JAKOBOVICOVA EVA/AU
E2            2     JAKOBOVITIS A/AU
E3           56 --> JAKOBOVITS A/AU
E4           13     JAKOBOVITS A A/AU
E5            1     JAKOBOVITS A J/AU
E6           16     JAKOBOVITS A W/AU
E7           12     JAKOBOVITS AKOS/AU
E8            1     JAKOBOVITS AKOS A/AU
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E9            1     JAKOBOVITS AVA/AU
E10           2     JAKOBOVITS AY/AU
E11          35     JAKOBOVITS AYA/AU
E12           2     JAKOBOVITS E/AU

=> s e3-e6 or e11
             56 "JAKOBOVITS A"/AU
             13 "JAKOBOVITS A A"/AU
              1 "JAKOBOVITS A J"/AU
             16 "JAKOBOVITS A W"/AU
             35 "JAKOBOVITS AYA"/AU
L9          118 ("JAKOBOVITS A"/AU OR "JAKOBOVITS A A"/AU OR "JAKOBOVITS A J"/AU
                OR "JAKOBOVITS A W"/AU) OR "JAKOBOVITS AYA"/AU

=> s l4 and l9
L10           2 L4 AND L9

=> e edleman g/au
E1            1     EDLEFSON J/AU
E2            1     EDLEMAN D A/AU
E3            0 --> EDLEMAN G/AU
E4            6     EDLEMAN M/AU
E5            1     EDLEMAN MARTIN/AU
E6            1     EDLEMAN N L/AU
E7            1     EDLEMAN R/AU
E8            1     EDLEMAN ROBERT R/AU
E9            1     EDLEMAN SIDNEY K/AU
E10           1     EDLEMAN WILLIAM/AU
E11           1     EDLEMIRE D/AU
E12           2     EDLEN B/AU

=> e edelman g/au
E1            1     EDELMAN F S/AU
E2            1     EDELMAN FURSTENBERG YAEL/AU
E3           12 --> EDELMAN G/AU
E4            2     EDELMAN G C/AU
E5            1     EDELMAN G E/AU
E6            1     EDELMAN G H/AU
E7            2     EDELMAN G J/AU
E8          416     EDELMAN G M/AU
E9            1     EDELMAN GAVRIEL/AU
E10           2     EDELMAN GERALD/AU
E11          76     EDELMAN GERALD M/AU
E12          20     EDELMAN GUY/AU

=> s e3 or e8 or e10-e11
             12 "EDELMAN G"/AU
            416 "EDELMAN G M"/AU
              2 "EDELMAN GERALD"/AU
             76 "EDELMAN GERALD M"/AU
L11         506 "EDELMAN G"/AU OR "EDELMAN G M"/AU OR ("EDELMAN GERALD"/AU OR
                "EDELMAN GERALD M"/AU)

=> s l4 and l11
L12           0 L4 AND L11

=> e rutishauser u/au
E1           24     RUTISHAUSER S C B/AU
E2            1     RUTISHAUSER SUZANNE E/AU
E3          177 --> RUTISHAUSER U/AU
E4            1     RUTISHAUSER U P/AU
E5            2     RUTISHAUSER U S/AU
E6           43     RUTISHAUSER URS/AU
E7            2     RUTISHAUSER URS S/AU
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E8          200     RUTISHAUSER W/AU
E9            5     RUTISHAUSER W J/AU
E10           1     RUTISHAUSER WILHEIM/AU
E11          19     RUTISHAUSER WILHELM/AU
E12           1     RUTISHAUSER WILHEM/AU

=> s e3-e7
            177 "RUTISHAUSER U"/AU
              1 "RUTISHAUSER U P"/AU
              2 "RUTISHAUSER U S"/AU
             43 "RUTISHAUSER URS"/AU
              2 "RUTISHAUSER URS S"/AU
L13         224 ("RUTISHAUSER U"/AU OR "RUTISHAUSER U P"/AU OR "RUTISHAUSER U
                S"/AU OR "RUTISHAUSER URS"/AU OR "RUTISHAUSER URS S"/AU)

=> s l4 and l13
L14           0 L4 AND L13

=> d his

     (FILE 'HOME' ENTERED AT 15:41:35 ON 19 MAR 2003)

     FILE 'BIOSIS' ENTERED AT 15:41:46 ON 19 MAR 2003
L1           79 S PLUCK
L2          352 S PLUCKED
L3          370 S PLUCKING
L4          732 S L1 OR L2 OR L3
L5        14145 S CELL(W)(SURFACE OR MEMBRANE)(W)(RECEPTOR OR ANTIGEN)
L6       123550 S CELL(W)(SURFACE OR MEMBRANE)
L7       123550 S L5 OR L6
L8            6 S L4 AND L7
                 SAVE TEMP L4 PLUCK/A
                 SAVE TEMP L7 PLUCLKCELL/A
                 E JAKOBOVITS A/AU
L9          118 S E3-E6 OR E11
L10           2 S L4 AND L9
                 E EDLEMAN G/AU
                 E EDELMAN G/AU
L11         506 S E3 OR E8 OR E10-E11
L12           0 S L4 AND L11
                 E RUTISHAUSER U/AU
L13         224 S E3-E7
L14           0 S L4 AND L13

=> s l8 or l10
L15           6 L8 OR L10

=> d l15 1-6 bib ab

L15  ANSWER 1 OF 6  BIOSIS  COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN   2001:149035  BIOSIS
DN   PREV200100149035
TI   Presence of osteoclast precursors in colonies cloned in the presence of
     hematopoietic colony-stimulating factors.
AU   Yamazaki, Hidetoshi (1); Kunisada, Takahiro; Yamane, Toshiyuki; Hayashi,
     Shin-Ichi
CS   (1) Department of Immunology, School of Life Science, Faculty of Medicine,
     Tottori University, 86 Nishi-machi, Yonago, Tottori, 683-8503:
     imu02@grape.med.tottori-u.ac.jp Japan
SO   Experimental Hematology (Charlottesville), (January, 2001) Vol. 29, No. 1,
     pp. 68-76. print.
     ISSN: 0301-472X.
DT   Article
LA   English
```

SL English
AB Objective. Osteoclasts are derived from hematopoietic stem cells, but the relationship between osteoclast precursors (OCPs) and hematopoietic colony-forming cells (CFCs) has not yet been clarified. Although osteoclasts share certain **cell surface** markers and growth factor requirements with their macrophage and monocyte cell lineages, osteoclasts are a different lineage with regard to the requirement for signaling via c-Kit. To investigate whether CFCs are able to differentiate into osteoclasts, we performed in vitro studies of osteoclastogenesis. Materials and Methods. We performed progenitor assays in the presence of hematopoietic colony-stimulating factors. Primary colonies were **plucked** and examined for their potential to differentiate into osteoclasts. Results. We found that osteoclasts are present in colonies elicited by macrophage colony-stimulating factor (M-CSF) and receptor activator of nuclear factor kB ligand (RANKL) in semi-solid cultures. Moreover, a part of the cells composing the colonies elicited by granulocyte-macrophage colony-stimulating factor (GM-CSF) or M-CSF alone possessed the potential to differentiate into osteoclasts. These OCPs in the colonies were enriched in the c-Fms+ large-sized cell fraction and had a foamy cell morphology, like mature macrophages. A small number of cells in M-CSF-promoted and GM-CSF-promoted colonies formed secondary colonies in the semisolid medium containing these factors. The frequency of OCPs in these secondary colonies elicited by M-CSF was 10 times higher than that elicited by GM-CSF. Conclusion. Multiple origins of OCPs that differentiate into mature osteoclasts are proposed based on the observation that osteoclasts could be generated from OCPs that emerged from CFCs induced under different conditions or developmental stages.

L15 ANSWER 2 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:420138 BIOSIS
DN PREV200000420138
TI Human stratified squamous epithelia differ in cellular fatty acid composition.
AU Terashi, Hiroto; Izumi, Kenji; Rhodes, Lenore M.; Marcelo, Cynthia L. (1)
CS (1) University of Michigan Medical School, 5659 Kresge I, Ann Arbor, MI, 48109-0592 USA
SO Journal of Dermatological Science, (September, 2000) Vol. 24, No. 1, pp. 14-24. print.
ISSN: 0923-1811.
DT Article
LA English
SL English
AB The phospholipid component of the cellular membrane is crucial to the structure and function of cells. Basal cells from three epithelial tissues, adult human skin epidermis, oral mucosa, and hair follicles, grow rapidly in serum- and lipid-free medium. Analysis of phospholipid extracts from the above three types of stratified squamous epithelium in both in vivo and in vitro was done to relate fatty acid cell composition to cell function. The fatty acid composition of hair follicles in vivo was analyzed in **plucked** scalp hairs, and those of skin epidermis and oral mucosa in vivo were analyzed after separating the tissue into suprabasal and basal layers. The fatty acid composition of the in vivo cells from hair follicles shows a partial essential fatty acid (EFA)-deficient state. There was no significant difference between the skin epidermis and the oral mucosa in the fatty acid composition of the in vivo cells from each basal layer. However, in the suprabasal layers, the percent of linoleic acid (18:2) from the skin epidermis was higher than that from the oral mucosa. This study shows that total fatty acid composition in **cell membranes** of stratified squamous epithelium varies with their keratinization pattern. When cultured, the three types of rapidly growing keratinocytes showed the same essential fatty acid deficient pattern in the membrane phospholipids.

L15 ANSWER 3 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1990:2019 BIOSIS
DN BA89:2019
TI INTERNAL CELL MANIPULATION USING IR LASER TRAPS.
AU ASHKIN A; DZIEDZIC J M
CS LASER SCI. RES. DEP., AT AND T BELL LAB., HOLMDEL, N.J. 07733-1988.
SO PROC NATL ACAD SCI U S A, (1989) 86 (20), 7914-7918.
CODEN: PNASA6. ISSN: 0027-8424.
FS BA; OLD
LA English
AB The ability of infrared laser traps to apply controlled forces inside of living cells is utilized in a study of the mechanical properties of the cytoplasm of plant cells. It was discovered that infrared traps are capable of **plucking** out long filaments of cytoplasm inside cells. These filaments exhibit the viscoelastic properties of plastic flow, necking, stress relaxation, and set, thus providing a unique way to probe the local rheological properties of essentially unperturbed living cells. A form of internal cell surgery was devised that is capable of making gross changes in location of such relatively large organelles as chloroplasts and nuclei. The utility of this technique for the study of cytoplasmic streaming, internal **cell membranes**, and organelle attachment was demonstrated.

L15 ANSWER 4 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1986:339866 BIOSIS
DN BA82:54070
TI SELECTIVE INHIBITION OF THE GROWTH OF HUMAN ERYTHROID BURST BY MONOCLONAL ANTIBODIES AGAINST TRANSFERRIN OR THE TRANSFERRIN RECEPTOR.
AU SHANNON K M; LARRICK J W; FULCHER S A; BURCK K B; PACELY J; DAVIS J C; RING D B
CS DEP. OF PEDIATRICS, NAVAL HOSP., OAKLAND, CALIF. 94627.
SO BLOOD, (1986) 67 (6), 1631-1638.
CODEN: BLOOAW. ISSN: 0006-4971.
FS BA; OLD
LA English
AB The relative requirements of colonies derived from erythroid (BFU-E) and myeloid (CFU-c) progenitors for transferrin were examined using monoclonal antibodies directed against the transferrin molecule (TF-6) or its **cell surface receptor** (TFR-A12, TFR1-2B). Growth of erythroid bursts was profoundly reduced at concentrations of all three antibodies that had no effect on CFU-c-derived colonies. When TFR1-2B was layered over culture established one to seven days previously, further burst development was inhibited, and degeneration of early erythroid colonies was observed. Addition of erythropoietin augmented transferrin receptor expression on cells harvested after 1 to 2 weeks in culture and analyzed by flow cytometry. Recombinant human erythropoietin gave results comparable to those obtained in experiments using human urinary erythropoietin. Analysis of erythroblasts **plucked** directly from culture plates confirmed the presence of transferrin receptors on BFU-E-derived colonies. Thymidine incorporation was maximal early in the second week of culture and coincided with high transferrin receptor expression. These data demonstrate that transferrin must be available into the second week of culture to support the growth and differentiation of BFU-E-derived erythroid bursts, that the generation of erythroid colonies from BFU-E is more dependent on transferrin than myeloid colony formation from CFU-c, and that erythropoietin modulates the expression of transferrin receptors on growing bursts.

L15 ANSWER 5 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1982:61494 BIOSIS
DN BR22:61494
TI RECEPTOR ISOLATION WITHOUT THE USE OF DETERGENTS BY **PLUCKING** FROM **CELL SURFACES**.
AU **JAKOBOVITS A**; ESHDAT Y; SHARON N
CS THE WEIZMANN INSTITUTE OF SCI., REHOVOT.

ILL mailed on 3/19/03

SO ANNUAL MEETING OF THE ISRAEL BIOCHEMICAL SOCIETY, JERUSALEM, ISRAEL, APRIL 12-13, 1981. ISR J MED SCI. (1981) 17 (6), 468.
CODEN: IJMDAI. ISSN: 0021-2180.
DT Conference
FS BR; OLD
LA English

L15 ANSWER 6 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1981:293507 BIOSIS
DN BA72:78491
TI **PLUCKING** OF LECTIN RECEPTORS FROM ERYTHROCYTES ISOLATION OF **CELL SURFACE** COMPONENTS WITHOUT THE USE OF DETERGENTS.
AU **JAKOBOVITS A**; ESHDAT Y; SHARON N
CS DEP. BIOPHYS., WEIZMANN INST. SCI., REHOVOTH, ISR.
SO BIOCHEM BIOPHYS RES COMMUN, (1981) 100 (4), 1484-1490.
CODEN: BBRCA9. ISSN: 0006-291X.
FS BA; OLD
LA English
AB A new approach is described for the isolation of lectin receptors without the use of detergents, by **plucking** them from the **cell surface**. Cells bound to lectin-coated Sepharose beads are sheared off the beads by mechanical disruption. The receptors remain attached to the beads and are released specifically by inhibitory sugars. Material **plucked** from neuraminidase-treated human erythrocytes by beads coated with peanut agglutinin and released by D-galactose was identified as asialoglycophorin. The same membrane glycoprotein was **plucked** from neuraminidase-treated erythrocytes by beads coated with soybean agglutinin, but at considerably lower yield.

ILL order on 3/19/03

=> log y
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	30.93	31.14

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 NEWS 48   Feb 26   PCTFULL now contains images
 NEWS 49   Mar 04   SDI PACKAGE for monthly delivery of multifile SDI results

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               CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 12 March 2003 (20030312/ED)


=> activate pluck/a
L1   (        79)SEA FILE=BIOSIS ABB=ON  PLU=ON  PLUCK
L2   (       352)SEA FILE=BIOSIS ABB=ON  PLU=ON  PLUCKED
L3   (       370)SEA FILE=BIOSIS ABB=ON  PLU=ON  PLUCKING
L4           732 SEA FILE=BIOSIS ABB=ON  PLU=ON  L1 OR L2 OR L3

=> e sharon n/au
E1             2     SHARON MICHAL/AU
E2             1     SHARON MICHALAK/AU
E3           307 --> SHARON N/AU
E4            44     SHARON NATHAN/AU
E5             1     SHARON NECHAM/AU
E6             1     SHARON NECHAMA/AU
E7             3     SHARON NEHAMA/AU
E8             1     SHARON NELSON/AU
E9             4     SHARON O/AU
E10            1     SHARON ORIT/AU
E11            1     SHARON ORLY/AU
E12           46     SHARON P/AU
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=> s e3-e4
            307 "SHARON N"/AU
             44 "SHARON NATHAN"/AU
L5          351 ("SHARON N"/AU OR "SHARON NATHAN"/AU)

=> s l4 and l5
L6            2 L4 AND L5

=> e eshdat y/au
E1            1      ESHCOLI Z/AU
E2            1      ESHDAT LIOR/AU
E3           38 --> ESHDAT Y/AU
E4           16      ESHDAT YUVAL/AU
E5            1      ESHDAVLATOV B M/AU
E6            1      ESHED C/AU
E7            5      ESHED ENGLENDER TALMA/AU
E8            3      ESHED H/AU
E9            1      ESHED IRIS/AU
E10           1      ESHED M/AU
E11           1      ESHED MAYA/AU
E12          17      ESHED N/AU

=> s e3-e4
            38 "ESHDAT Y"/AU
            16 "ESHDAT YUVAL"/AU
L7          54 ("ESHDAT Y"/AU OR "ESHDAT YUVAL"/AU)

=> s l4 and l7
L8            2 L4 AND L7

=> log y
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               2.52       2.73

STN INTERNATIONAL LOGOFF AT 16:13:37 ON 19 MAR 2003
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